



FORM PTO-1449 U.S. Department of  
Commerce Patent and Trademark Office

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

1309.43490X00

SERIAL NO. 10/769,805

10/049,055

APPLICANT  
K. TAMURA, et al

FILING DATE  
February 3, 2004

GROUP  
2186

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4	0	2	5	9	0	4					
	5	4	0	8	4	6	5	4/95	Gusella et al			
	5	4	5	9	8	5	7	10/95	Ludlam et al			
	5	6	8	0	5	8	0	10/97	Beardsley et al			
	5	8	7	0	5	3	7	2/99	Kern et al			
	5	8	9	5	4	8	5	4/99	Loeschel et al			
	5	9	1	7	7	2	3	6/99	Binford			
	5	9	5	6	7	5	0	9/99	Yamamoto, et al			
	6	0	1	2	1	2	3	1/00	Pecone et al			
	6	0	9	8	1	2	9	7/00	Fukuzawa et al			

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	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT		
												YES	NO	
	1	0	2	8	3	2	7	2	10/98	Japan				XX
	2	2	9	3	3	1	7		10/00	Japan				XX
	2	0	6	7	1	8	7		3/01	Japan				XX

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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(Form PTO-1449 [6-4])

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## U.S. PATENT DOCUMENTS

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	6	1	7	3	3	7	4					
	6	2	1	9	7	5	3	4/01	Heil, et al			
	6	2	4	7	0	9	9	6/01	Richardson			
	6	2	4	7	1	0	3	6/01	Skazinski et al			
	6	4	4	6	1	4	1	9/02	Kern et al			
	6	4	4	6	1	7	5	9/02	Nolan et al			
	6	4	8	4	1	7	3	11/02	West et al			
	6	4	9	0	6	5	9	12/02	O'Hare, et al			
	6	5	2	3	0	9	6	2/03	McKean et al			
	6	5	2	9	9	7	6	3/03	Sanada et al			
	6	5	5	3	4	0	8	4/03	Fukuzawa et al			
	6	5	5	3	4	0	8	4/03	Merrell et al			

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	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
	YES	NO										XX	
2 0 0 2	1	5	7	0	9	1		5/02	Japan			XX	
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	White Paper, "Network Attached Storage in the Data Protection Environment", Sony Electronics Inc., Feb. 2002, pp. 1-23.
	S. Sicola, "SCSI-3 Fault Tolerant Controller Configurations Utilizing SCC & New Event Codes", High Availability Study Group, Doc. No. X3T10 95-312r3, Rev. 3.0, Feb. 28, 1996, pp. 1-4.

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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET NO.	SERIAL NO. 10/769, 805
	<b>1309.43490X00</b>	<b>40649,635</b>
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	APPLICANT <b>K. TAMURA, et al</b>	
(Use several sheets if necessary)	FILING DATE <b>February 3, 2004</b>	GROUP <b>2186</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6 6 4 0 2 7 8	10/03	Nolan et al			
	6 6 4 7 4 7 4	11/03	Yanai et al			
	6 6 5 4 8 3 0	11/03	Taylor et al			
	6 6 5 4 8 3 1	11/03	Otterness et al			
	6 6 7 5 2 5 8	1/04	Bramhall et al			
	6 6 8 1 3 3 9	1/04	McKean et al			
	6 6 8 4 3 1 0	1/04	Anzai et al			
	6 7 4 5 2 8 1	6/04	Saegusa			
	6 7 9 9 2 5 5	9/04	Blumennau et al			
	6 8 5 1 0 2 0	2/05	Matsumoto et al			
	6 8 8 3 0 6 4	4/05	Yoshida et al			

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	2	0	0	5	0	9	1					
2 0 0 1	0	0	5	2	0	1	8	12/01	Yokokura			
2 0 0 2	0	0	0	4	8	5	7	1/02	Arakawa et al			
2 0 0 2	0	1	3	3	7	3	5	9/02	McKean et al			
2 0 0 2	0	1	5	6	8	8	7	10/02	Hashimoto			
2 0 0 3	0	0	3	7	0	7	1	2/03	Harris et al			
	6	3	5	6	9	7	7	3/02	Ofek et al			

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APPLICANT K. TAMURA, et al	
FILING DATE February 3, 2004	GROUP 2186

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	2	0	0	5	1	1	0	9					
	2	0	0	5	6	0	3	8	3/03	Cochran			
	2	0	0	9	7	6	0	7	5/03	Bessire			
	2	0	1	0	1	2	2	8	5/03	Busser et al			
	2	0	1	1	5	4	3	2	6/03	Biessener et al			

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	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	"SAN Virtualization Guidelines", DataCore Software Corporation, 2000, pp. 1-9.

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		0	1	2	6	3	2	7				
2 0 0 0 3	0 1 4 5 1 6 8								7/03	Pesola et al		
2 0 0 0 3	0 1 5 8 9 9 9								7/03	LeCrone et al		
2 0 0 0 3	0 1 6 7 4 1 9								8/03	Hauck et al		
2 0 0 0 3	0 2 0 0 3 8 7								9/03	Yanai et al		
2 0 0 0 3	0 2 0 4 5 9 7								10/03	Urabe et al		
2 0 0 0 3	0 2 1 2 8 6 0								10/03	Arakawa et al		
2 0 0 0 3	0 2 1 2 8 6 0								11/03	Jiang et al		

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						2	0
2 0 0 4	0 0 0 4 9 5 5 3	1/04	Garrison et al				
2 0 0 4	0 0 5 4 8 5 0	3/04	Iwamura et al				
2 0 0 4	0 0 6 4 6 1 0	3/04	Fisk				
2 0 0 4	0 0 6 4 6 4 1	4/04	Fukuzawa et al				
2 0 0 4	0 0 6 4 6 4 1	4/04	Kodama				

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	2	0	1	2	3	1	8	0						
	2	0	1	4	3	8	3	2	7/04	Yamamoto, et al				
	2	0	1	4	8	4	4	3	7/04	Achiwa et al				
	2	0	1	7	2	5	1	0	9/04	Nagashima et al				
	2	0	2	3	0	9	8	0	11/04	Koyama et al				
	2	0	2	6	0	8	7	5	12/04	Murotani et al				

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						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Introduction to Storage Pooling, Consolidation Storage Resources with DataCore SANsymphony Software" White Paper, DataCore Software, updated July 2003, pp. 1-8.
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49640,635

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		5	1	5	5	8	4	5					
2 0 0 4	0	2	6	0	9	6	6	12/04	Kaiya et al				
2 0 0 2	0	0	2	9	3	2	6	3/02	Reuter et al				
2 0 0 2	0	0	0	3	0	2	2	1/02	Csida et al				
2 0 0 2	0	0	2	6	5	5	8	2/02	Reuter et al				
2 0 0 2	0	0	1	9	9	2	0	2/02	Reuter et al				
2 0 0 2	0	0	1	9	9	2	2	2/02	Reuter et al				
2 0 0 2	0	0	1	9	9	2	3	2/02	Reuter et al				

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	6	1	9	5	7	3	0						
2 0 0 2	0	0	1	9	9	0	8		2/01	West			
2 0 0 2	0	0	6	5	8	6	4		2/02	Reuter et al			
2 0 0 2	0	0	8	7	5	4	4		5/02	Hartsell, et al			
2 0 0 2	0	1	0	3	8	8	9		7/02	Selkirk, et al			
2 0 0 2	0	1	1	2	1	1	3		8/02	Markson, et al			
2 0 0 2	0	1	1	2	1	1	3		8/02	Karpoff, et al			

## FOREIGN PATENT DOCUMENTS

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	9	7	0	9	6	7	6					YES	NO
								3/97	PCT				

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10/640,625

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K. TAMURA, et al

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2 0 0 0 2	0	1	5	6	9	8	7	4	10/02	Padovano			
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2 0 0 0 2	0	1	7	8	3	3	5	4	11/02	Selkirk, et al			
2 0 0 0 2	0	1	8	8	5	9	2	4	12/02	Leonhardt, et al			
2 0 0 0 5	0	2	4	0	7	4	1	5	10/05	Nagasawa et al			
	5	9	7	8	8	9	0	6	11/99	Ozawa et al			

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	P. Sarkar, et al "Internet Protocol Storage Area Networks", IBM Systems, Journal, vol. 42, No. 2, 2003, pp. 218-231.
	E. Anderson, et al, "Hippodrome: Running Circles Around Storage Administration", Hewlett-Packard Laboratories, pp. 14.

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2 0 0 4	0	0	9	3	5	6	7	5/04	Bober, et al			
2 0 0 3	0	0	6	8	6	3	7	5/03	Lolayekar, et al			
2 0 0 4	0	0	6	8	6	3	7	4/04	Nelson et al			
2 0 0 3	0	2	2	9	6	4	5	12/03	Nelson et al			
2 0 0 5	0	0	3	3	8	7	8	2/05	Mogi et al			
2 0 0 4	0	1	3	9	2	3	7	7/04	Pangal et al			
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	6	7	1	8	4	0	4		Reuter et al			
	6	8	5	7	0	5	7	2/05	Nelson et al			
	6	9	7	3	5	4	9	12/05	Testardi			
	6	9	7	6	1	0	3	12/05	Watanabe et al			
	3	7	7	1	1	3	7	11/73	Barner et al			

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	0	3	0	2	3	6	4	0	3/03	PCT			

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	JP 10-508967 (PCT equivalent WO 97/09676).

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	6 6 4 7 3 8 7							11/03	McKean et al			
	6 7 7 2 3 1 5							8/04	Perego			
R E	3 7 3 0 5							7/01	Chang et al			
2 0 0 5	0 1 3 8 1 8 4							6/05	Amir			
2 0 0 4	0 0 5 4 8 6 6							3/04	Blumenau et al			
2 0 0 4	0 0 2 8 0 4 3							2/04	Maveli et al			

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						YES	NO

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	"SANRAD Application Note: Migrating Individual Servers to an iSCSI SAN", APP-004-01, SANRAD 2003, pp. 1-15.
	"SANRAD Application Note: Data Migration Solution Transferring Data Between Storage Systems Over Fibre-Channel or SCSI Connections, APP-003-03, SANRAD 2003, pp. 1-9.
	"White Paper – Celerra Data Migration Service (CDMS)", EMC Corporation, Jan. 2002, pp. 1-13.

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2 0 0 0 1	0	0	5	4	1	3	3	12/01	Murotani et al			
2 0 0 0 2	0	1	2	4	1	0	8	9/02	Terrell et al			
2 0 0 0 3	0	2	0	4	7	0	0	10/03				
2 0 0 0 5	0	0	1	0	7	4	3	01/05	Tremblay et al			
	4	7	1	0	8	6	8	12/87	Cocke et al			
	6	3	4	1	3	2	9	1/02	LeCrone et al			
	6	6	8	1	3	0	3	1/04	Watabe et al			

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EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	5	7	5	8	1	1	8	5/98		Choy et al				
	5	8	3	5	9	5	4	11/98	Duyanovich et al	711	162			
	6	1	0	8	7	4	8	8/00	Ofek et al	711	112			
	6	2	3	0	2	3	9	5/01	Sakaki et al	711	112			
	6	2	4	0	4	8	6	5/01	Ofek et al	711	112			
	6	4	5	7	1	3	9	9/02	D'Errico et al	714	5			
	6	6	4	0	2	9	1	10/03	Fujibayashi et al	711	162			
	6	8	2	6	7	7	8	11/04	Bopardikar et al	725	145			
	6	8	1	6	9	4	8	11/04	Kitamura et al	711	152			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
	1	1	3	0	5	1	4	5/01		European				YES
														NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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		5	5	4	8	7	1	2							
		5	6	8	0	6	4	0		10/97	Ofek et al	710	19		
	2 0 0 0 2	0	1	9	4	5	2	3		12/02	Ulrich et al	714	4		
	2 0 0 0 3	0	1	8	2	5	2	5		9/03	O'Connell et al	711	162		
	2 0 0 0 5	0	0	8	1	0	0	9		4/05	Williams et al	711	163		
	2 0 0 0 5	0	0	1	0	7	3	4		1/05	Soejima et al	711	163		
	2 0 0 0 3	0	1	4	5	1	6	9		7/03	Nagasawa et al	711	117		
		7	0	5	1	1	2	1		5/06	H. Ohno, et al				

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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